A6.8 Adjustment of Short-Term Data to Annual Mean

A6.8.1 The Haringey Town Hall automatic monitor had large gaps in its data collection during 2014. No nitrogen dioxide data were collected between 27th May and 1st October, resulting in an annual data capture rate of 65.3%. PM_{10} data capture was very low, at just 25.7% for the year. $PM_{2.5}$ data had gaps between 17th February and 7th March and between 10th August and 27th September, resulting in a total annual data capture rate of 82.2%.

A6.8.2 In accordance with the guidance set out in Box 3.2 of LAQM.TG(09), the nitrogen dioxide and $PM_{2.5}$ data have been adjusted to an annual mean, based on the ratio of concentrations during the short-term monitoring periods to those over the 2014 calendar year at nearby background automatic monitoring sites. PM_{10} data capture was so low that it would not be appropriate to annualise.

A6.8.3 The annual mean nitrogen dioxide concentrations and the period means for each of the three monitoring sites from which adjustment factors have been calculated for nitrogen dioxide are presented in Table A6.8.1, along with the Overall Factor. The "short-term monitoring period" referred to covers the periods 1st January to 27th May and 1st October to 31st December.

Table A6.8.1: Data used to Adjust Short-term Nitrogen Dioxide Monitoring Data at Haringey Town Hall to Annual Mean

Period Mean Concentration ($\mu g/m^3$)	Camden Bloomsbury	Harrow Stanmore	Kensington & Chelsea North Kensington	Overall Factor
2014 Calendar Year	51.2	24.6	34.4	-
Short-Term Monitoring Period	54.0	28.3	37.3	-
Adjustment Factor	**0.949**	**0.869**	**0.921**	**0.913**

A6.8.4 The annual mean $PM_{2.5}$ concentrations and the period means for each of the two monitoring sites from which adjustment factors have been calculated for $PM_{2.5}$ are presented in Table A6.8.2, along with the Overall Factor. The "short-term monitoring period" referred to covers the periods 1st January to 17th February, 7th March to 10th August and 27th September to 31st December.

Table A6.8.2: Data used to Adjust Short-term $PM_{2.5}$ Monitoring Data at Haringey Town Hall to Annual Mean

Period Mean Concentration ($\mu g/m^3$)	Camden Bloomsbury	Hillingdon Harlington	Overall Factor
2014 Calendar Year	14.6	14.0	-
Short-Term Monitoring Period	14.3	13.6	-
Adjustment Factor	**1.028**	**1.026**	**1.027**